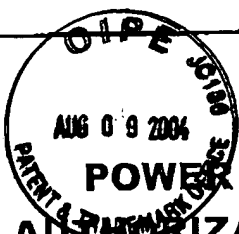


HAMILTON, BROOK, SMITH & REYNOLDS, P.C.


**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT AND
CORRESPONDENCE ADDRESS**

Application Number	10/796,796
Filing Date	March 8, 2004
First Named Inventor	Tzvi Avnery
Confirmation Number	3169
Group Art Unit	2881
Examiner Name	not assigned
Attorney Docket Number	2251.2005-004

Title IRRADIATION APPARATUS

I/We hereby appoint

☒ the attorneys/agents associated with Customer No. 021005

☐ Practitioner(s) named below:

as my/our attorneys/agents to prosecute the application identified above, including any continuation or divisional applications thereof, and to transact all business in the United States Patent and Trademark Office connected therewith.

The correspondence address for the above-identified application is:

☒ Customer Number 021005

Hamilton, Brook, Smith & Reynolds, P.C.

530 Virginia Road

P.O. Box 9133

Concord, Massachusetts 01742-9133

☐ Other

Please direct all telephone calls and facsimiles to:

Name James M. Smith, Esq. Tel. No. 978-341-0036 Fax No. 978-341-0136

I am the:

☐ Applicant/Inventor.

☒ Authorized representative of the Assignee, Advanced Electron Beams, Inc., of the entire interest. See 37 C.F.R. § 3.71. A Statement under 37 C.F.R. § 3.73(b) is enclosed.

☐ Authorized representative of the Assignee, [], together with [], of the entire interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed.

SIGNATURE of Applicant or Assignee of Record

Name & Title

Signature

Date

[Handwritten signatures] Tzvi Avnery
7-27-04

Docket No. 2251.2005-004STATEMENT UNDER 37 C.F.R. § 3.73(b)Inventor(s): Tzvi AvneryApplication No./Patent No.: 10/796,796 Filed/Issue Date: March 8, 2004For: IRRADIATION APPARATUSAdvanced Electron Beams, Inc.

(Name of Assignee)

a corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A. ☒ the assignee of the entire right, title and interest in the patent application identified above; or
- B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel , Frame , or a copy thereof is attached.

OK

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: To:
The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or a copy thereof is attached.
2. From: To:
The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or a copy thereof is attached.
3. From: To:
The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: 7-27-04Name: Tzvi AvneryTitle: CTOSignature: [Signature]



COPY

Docket No. 2251.2005-004

SoleASSIGNMENT

WHEREAS, I, **Tzvi Avnery**, have invented a certain improvement in **Irradiation Apparatus**, described in an application for Patent,

- ☐ the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **10/796,796**, filed **March 8, 2004**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [], which designates the United States of America;
- ☐ which was patented under United States Patent No. [].

WHEREAS, **Advanced Electron Beams, Inc.** (hereinafter "**ASSIGNEE**"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts** and having a usual place of business at **10 Upton Drive, Wilmington, Massachusetts, 01887**, desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said **ASSIGNEE**, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said **ASSIGNEE** for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in **ASSIGNEE** to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of **ASSIGNEE**'s selection and the right to procure the grant of all such Letters Patent to **ASSIGNEE** for its own name as assignee of the entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which

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Docket No. 2251,2005-004

may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any further applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

✓ Inventor's Signature: _____


Tzvi Avnery

State/Commonwealth

of MASSACHUSETTSCounty of MIDDLESEX

On this 27 day of JULY, 2004, before me, the undersigned notary public, personally appeared Tzvi Avnery,



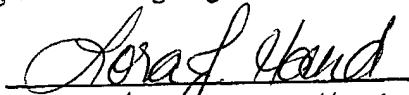
personally known to me, or



proved to me through satisfactory evidence of identification, which was _____

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)



Notary Public

KORA J. HAND

(print name)

My Commission expires 11/05/10